

Supplementary Table 1: Tentative identification of compounds in fern bioactive extracts based on HPLC-MS analyses

[M + H] ⁺	RT [min]	Monoisotopic mass:	Estimated molecular formula:	Relative response in extracts (PA sample/IS)			Candidate compound name:	
				<i>Dryopteris aemula</i>	<i>Dryopteris borreri</i>	<i>Dryopteris cambrensis</i>		
211.0970	12.8	210.0892	C14H11O4	0.768	2.553	1.923	Desaspidinol; 3-Methylbutyrylphloroglucinol	
	13.3			0.150				4.981
225.1127	13.6	224.1049	C12H16O4	0.581	1.227	2.722	Aspidinol; Dimethylphlorobutyrophenone	
	13.9			1.156				15.966
391.1393	14.0	390.1315	C20H22O8	2.516	0.237	0.798	Desaspidin AA	
405.1549	13.4	404.1471	C21H24O8	0.119	0.744	0.128	Albaspidin AA; Aspidin AA; Para-Aspidin AA; Flavaspidic acid AP; Desaspidin AP; Norflavaspidic acid AB	
	13.9			0.126				0.120
	14.0			0.224				0.148
	14.3			0.699				
	14.5			1.475				
419.1706	13.7	418.1628	C22H26O8		5.125		Desaspidin AB; Desaspidin PP; Flavaspidic acid AB; Flavaspidic acid PP; Abbreviatin PB; Albaspidin AP; Norflavaspidic acid PB; Margaspidin AB	
	14.6							
	15.2							
	17.7							
433.1862	14.6	432.1784	C23H28O8	4.658	0.411		Albaspidin AB; Albaspidin PP; Aspidin PP; Para-Aspidin AB; Desaspidin PB; Phloraspin BB; Methylene-bis-desaspidinol BB; Abbreviatin BB; Aspidin AB; Flavaspidic acid PB	
	16.4			0.459				
	16.6			0.929				
	16.8			0.419				
	17.2			0.563				
	18.3			1.154				
447.2019	17.1	446.1941	C24H30O8	7.341	14.837		Albaspidin PB; Aspidin PB; Desaspidin BB; Ortho-desaspidin BB; Flavaspidic acid AA; Flavaspidic acid BB; Phloraspidinol BB; Margaspidin BB	
	18.8							
461.2175	18.0	460.2097	C25H32O8	2.155			Albaspidin iBiB; Aspidin BB; Para-Aspidin BB; Methylene-bis-aspidinol BB; Albaspidin BB	
641.2598	17.3	640.2520	C34H40O12		1.766	1.297	Trisabbreviatin BBB; Filixic acid ABB; Filixic acid PBP	
	19.1							

* 100x diluted samples; internal std fluconazole in conc. 100 ng/mL inj. sample